CHANGES TO THE CLAIMS

Please amend claims 1-8, 10, 11 and 18-21 as follows.

1. (Currently Amended) In a harvesting machine comprising:

having a frame adapted for movement over the ground, the frame having a front end, an opposing rear end, and an operator's platform, operator platform;

an elongate crop harvesting header having a first end and a second opposing end, the first and second ends defining the length of the elongate header, the header supported at first and second support points, intermediate the first and second ends, by the frame across the front end of the frame for generally vertical movement relative to the ground; and ground, the improvement comprising:

a header lift and flotation system interconnecting the header and the frame for selectively raising and lowering the header relative to the ground and setting flotation parameters, the header lift and flotation system including: including left and right hand hydraulic cylinders interconnecting the frame and the header adjacent the respective first and second support points; a hydraulic fluid reservoir; an electro-hydraulic eireuit, circuit; a manually manipulable switch; and an electronic programmable controller,

the electro-hydraulic circuit including valves operated by electrical signals; interconnecting that interconnect the hydraulic fluid reservoir and the respective left and right hand hydraulic eylinders;

a manually manipulated switch;

an-cylinders, and the electronic programmable controller interconnecting the switch and the valves such that manipulation of the switch causes the controller to emit electrical signals to the valves to establish flotation and lift settings therefor for the valves,

wherein the electronic programmable controller controls the valves of the electrohydraulic circuit to apply hydraulic pressure to one of the left and right hand hydraulic cylinders, thereby applying a hydraulic counterweight.

- 2. (Currently Amended) The improvement of harvesting machine according to claim 1, wherein: wherein the electro-hydraulic circuit further includes an hydraulic pump and a single hydraulic accumulator.
- 3. (Currently Amended) The <u>harvesting machine according to claim</u> improvement of Claim-2, wherein: wherein the switch is located on the operator's operator platform.
- 4. (Currently Amended) The <u>harvesting machine according to improvement</u>

 of claim 3, wherein: wherein the switch is a rocker switch.
- 5. (Currently Amended) The <u>harvesting machine according to improvement</u>
 of claim 4, <u>wherein: wherein</u> each of the left and right hand hydraulic cylinders has a
 lifting end which, when hydraulic oil under pressure is applied, raises the header, and the

two lifting ends of the left and right hand hydraulic cylinders are hydraulically connected together and thence to the hydraulic pump, a control manifold and the accumulator; and the switch has a first position that signals the controller to allow hydraulic oil to enter the accumulator to reduce header contact force with the ground.

- 6. (Currently Amended) The <u>harvesting machine according to improvement</u> of claim 5, <u>wherein: wherein</u> the switch has a second position that signals the controller to allow hydraulic oil to exit the accumulator to increase header contact force with the ground.
- 7. (Currently Amended) The <u>harvesting machine according to improvement</u>
 of-claim 6, further <u>including:comprising</u> a pressure reducing valve located in the hydraulic circuit such that through manipulation of the pressure reducing valve hydraulic pressure can be selectively applied to one or the other of the left and right hand hydraulic cylinders.
- 8. (Currently Amended) The <u>harvesting machine according to improvement</u> of claim 7, <u>wherein:wherein</u> the pressure reducing valve is electro-hydraulic; and a second switch is located on the operator's platform, operator platform and is electrically connected to the pressure reducing valve to control the pressure reducing valve to selectively apply hydraulic pressure to one or the other of the left and right hand hydraulic cylinders.

9. (Original) In a harvesting machine having a frame adapted for movement over the ground, the frame having a front end, an opposing rear end, and an operator's platform, an elongate crop harvesting header having a first end and a second opposing end, the first and second ends defining the length of the elongate header, the header supported at first and second support points, intermediate the first and second ends, by the frame across the front end of the frame for generally vertical movement relative to the ground, the improvement comprising:

a header lift and flotation system interconnecting the header and the frame for selectively raising and lowering the header relative to the ground and setting flotation parameters, the header lift and flotation system including:

left and right hand hydraulic cylinders interconnecting the frame and the header adjacent the respective first and second support points;

a hydraulic fluid reservoir;

substantially independent left and right hand electro-hydraulic circuits, including valves operated by electrical signals, interconnecting the hydraulic fluid reservoir and the respective left and right hand hydraulic cylinders;

left and right hand manually manipulated switches;

an electronic programmable controller interconnecting the switches and the valves such that independent manipulation of the switches causes the controller to emit electrical signals to the valves to establish independent flotation and lift settings for the left and right hand hydraulic cylinders.

11.

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- (Currently Amended) he-The improvement of claim 9, further including:including a pressure reducing valve located in the hydraulic circuit such that through manipulation of the pressure reducing valve hydraulic pressure can be selectively applied to one or the other of the left and right hand hydraulic cylinders.
- the pressure reducing valve is electro-hydraulic; and
 a second switch is located on the operator's platform, operator platform and is
 electrically connected to the pressure reducing valve to control the pressure reducing valve
 to selectively apply hydraulic pressure to one or the other of the left and right hand
 hydraulic cylinders.

(Currently Amended) The improvement of claim 10, wherein:

- 12. (Original) The improvement of claim 11, wherein:
 the electro-hydraulic circuit further includes an hydraulic pump and a single hydraulic accumulator.
 - 13. (Original) The improvement of Claim 12, wherein: the switch is located on the operator's platform and is a rocker-type switch.
- 14. (Original) The improvement of claim 9, wherein:

 the switch has a first position that signals the controller to allow hydraulic oil to
 enter the accumulator to reduce header contact force with the ground, and

the switch has a second position that signals the controller to allow hydraulic oil to exit the accumulator to increase header contact force with the ground.

15. (Original) The improvement of claim 14 wherein:

the valves return to the preset flotation condition whenever the float mode is selected, irrespective of subsequent header lift and lower operations.

16 (Original) A crop harvesting machine comprising:

a self-propelled frame adapted for movement over the ground, the frame having a front end, an opposing rear end;

an operator's platform affixed to and supported by the frame;

an elongate crop harvesting header having a first end and a second opposing end, the first and second ends defining the length of the elongate header, the header supported at first and second support points, intermediate the first and second ends, by the frame across the front end of the frame for generally vertical movement relative to the ground;

a header lift and flotation system interconnecting the header and the frame for selectively raising and lowering the header relative to the ground and setting flotation parameters, the header lift and flotation system including:

left and right hand hydraulic cylinders interconnecting the frame and the header adjacent the respective first and second support points;

a hydraulic fluid reservoir;

an electro-hydraulic circuit, including valves operated by electrical signals, interconnecting the hydraulic fluid reservoir and the respective left and right hand hydraulic cylinders;

the left and right hand hydraulic cylinders are hydraulically connected such that hydraulic oil is sent to the return side of the respective cylinder on the lighter side of the header;

a manually manipulated switch; and

an electronic programmable controller interconnecting the switch and the valves such that manipulation of the switch causes the controller to emit electrical signals to the valves to establish flotation and lift settings for the left and right hand hydraulic cylinders.

- 17. (Original) The crop harvesting machine of claim 16, wherein:
 the electro-hydraulic circuit further includes an hydraulic pump and single hydraulic accumulator.
- 18. (Currently Amended) The improvement crop harvesting machine of Claim 17, wherein:

the switch is located on the operator's platform.

19. (Currently Amended) The <u>crop harvesting machine improvement</u> of claim 18, wherein:

the switch is a rocker switch;

the switch has a first position that signals the controller to allow hydraulic oil to enter the respective accumulator to reduce header contact force with the ground; and the switch has a second position that signals the controller to allow hydraulic oil to exit the respective accumulator to increase header contact force with the ground.

20. (Currently Amended) The <u>crop harvesting machine improvement</u> of claim 18, further including:

a pressure reducing valve located in the hydraulic circuit such that through manipulation of the pressure reducing valve hydraulic pressure can be selectively applied to one or the other of the left and right hand hydraulic cylinders.

21. (Currently Amended) The <u>crop harvesting machine improvement</u> of claim 20, wherein:

the pressure reducing valve is electro-hydraulic; and

a second switch is located on the operator's platform, and is electrically connected to the pressure reducing valve to control the pressure reducing valve to selectively apply hydraulic pressure to one or the other of the left and right hand hydraulic cylinders.

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